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NEWS 1 Web Page for STN Seminar Schedule - N. America  
 NEWS 2 MAY 01 New CAS web site launched  
 NEWS 3 MAY 08 CA/CAPplus Indian patent publication number format defined  
 NEWS 4 MAY 14 RDISCLOSURE on STN Easy enhanced with new search and display fields  
 NEWS 5 MAY 21 BIOSIS reloaded and enhanced with archival data  
 NEWS 6 MAY 21 TOXCENTER enhanced with BIOSIS reload  
 NEWS 7 MAY 21 CA/CAPplus enhanced with additional kind codes for German patents  
 NEWS 8 MAY 22 CA/CAPplus enhanced with IPC reclassification in Japanese patents  
 NEWS 9 JUN 27 CA/CAPplus enhanced with pre-1967 CAS Registry Numbers  
 NEWS 10 JUN 29 STN Viewer now available  
 NEWS 11 JUN 29 STN Express, Version 8.2, now available  
 NEWS 12 JUL 02 LEMBASE coverage updated  
 NEWS 13 JUL 02 LMEDLINE coverage updated  
 NEWS 14 JUL 02 SCISEARCH enhanced with complete author names  
 NEWS 15 JUL 02 CHEMCATS accession numbers revised  
 NEWS 16 JUL 02 CA/CAPplus enhanced with utility model patents from China  
 NEWS 17 JUL 16 CAPplus enhanced with French and German abstracts  
 NEWS 18 JUL 18 CA/CAPplus patent coverage enhanced  
 NEWS 19 JUL 26 USPATFULL/USPAT2 enhanced with IPC reclassification  
 NEWS 20 JUL 30 USGENE now available on STN  
 NEWS 21 AUG 06 CAS REGISTRY enhanced with new experimental property tags  
 NEWS 22 AUG 06 BEILSTEIN updated with new compounds  
 NEWS 23 AUG 06 FSTA enhanced with new thesaurus edition  
 NEWS 24 AUG 13 CA/CAPplus enhanced with additional kind codes for granted patents

NEWS EXPRESS 29 JUNE 2007: CURRENT WINDOWS VERSION IS V8.2,  
 CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
 AND CURRENT DISCOVER FILE IS DATED 05 JULY 2007.

NEWS HOURS STN Operating Hours Plus Help Desk Availability  
 NEWS LOGIN Welcome Banner and News Items  
 NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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10568380c.trn

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=> FILE REGISTRY

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 14 AUG 2007 HIGHEST RN 944643-48-5

DICTIONARY FILE UPDATES: 14 AUG 2007 HIGHEST RN 944643-48-5

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

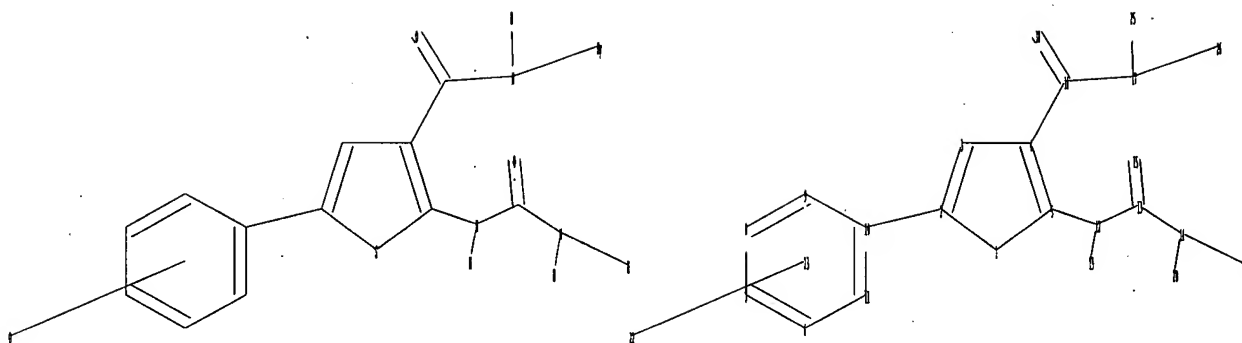
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10568380c.str



```

chain nodes :
12 13 14 15 16 17 18 19 20 22 24 25 26
ring nodes :
1 2 3 4 5 6 7 8 9 10 11
chain bonds :
2-10 4-16 5-12 12-13 12-19 13-14 13-15 14-20 14-24 16-17 16-18 17-25
17-26
ring bonds :
1-2 1-5 2-3 3-4 4-5 6-7 6-11 7-8 8-9 9-10 10-11
exact/norm bonds :
5-12 12-13 13-14 13-15 16-17 16-18 17-26
exact bonds :
1-2 1-5 2-3 2-10 3-4 4-5 4-16 12-19 14-20 14-24 17-25
normalized bonds :
6-7 6-11 7-8 8-9 9-10 10-11
isolated ring systems :
containing 1 : 6 :

```

```

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS
19:CLASS 20:CLASS 22:CLASS 23:Atom 24:CLASS 25:CLASS 26:Atom

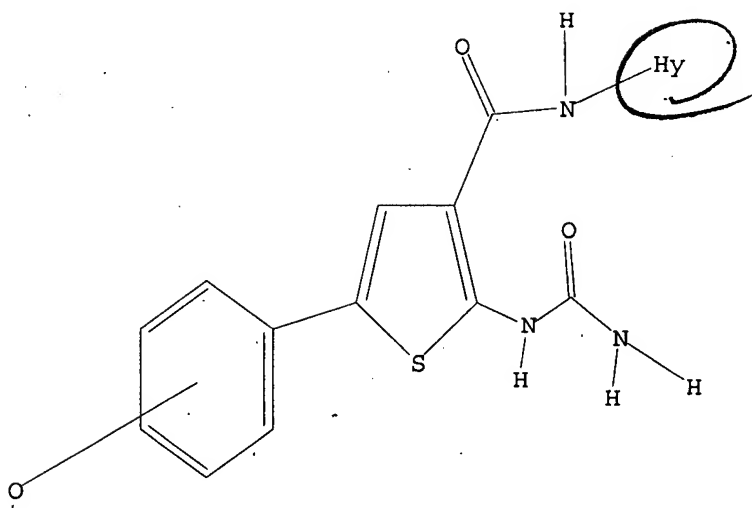
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L1 STRUCTURE UPLOADED

=> d 11

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 09:22:56 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 43 TO ITERATE

100.0% PROCESSED 43 ITERATIONS  
SEARCH TIME: 00.00.01

0 ANSWERS

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 467 TO 1253  
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 sss full

FULL SEARCH INITIATED 09:23:03 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 1034 TO ITERATE

100.0% PROCESSED 1034 ITERATIONS  
SEARCH TIME: 00.00.01

94 ANSWERS

L3 94 SEA SSS FUL L1

=> FIL HCAPLUS  
COST IN U.S. DOLLARS  
FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
172.10	172.31

FILE 'HCAPLUS' ENTERED AT 09:23:12 ON 15 AUG 2007  
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FILE COVERS 1907 - 15 Aug 2007 VOL 147 ISS 8  
FILE LAST UPDATED: 14 Aug 2007 (20070814/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 13  
L4

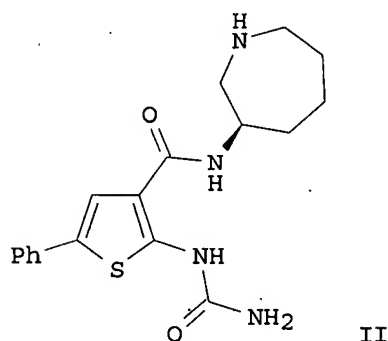
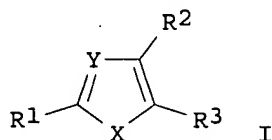
=> d 14 ibib abs tot

L4 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 2005:638873 HCAPLUS  
DOCUMENT NUMBER: 143:153276  
TITLE: Preparation of substituted heterocycles, particularly ureidothiophenes, as CHK1 kinase inhibitors for treating neoplasm  
INVENTOR(S): Ashwell, Susan; Gero, Thomas; Ioannidis, Stephanos; Janetka, James; Lyne, Paul; Su, Mei; Toader, Dorin; Yu, Dingwei; Yu, Yan  
PATENT ASSIGNEE(S): Astrazeneca AB, Swed.; Astrazeneca UK Limited  
SOURCE: PCT Int. Appl., 148 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005066163	A2	<del>20050721</del>	WO 2004-GB5400	<u>20041224</u>
WO 2005066163	A3	20050901		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
AU 2004312193	A1	20050721	AU 2004-312193	20041224
CA 2552050	A1	20050721	CA 2004-2552050	20041224
EP 1732920	A2	20061220	EP 2004-806196	20041224
R:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, LV, MK, YU			

CN 1922172	A	20070228	CN 2004-80042170	20041224
BR 2004018351	A	20070508	BR 2004-18351	20041224
JP 2007517843	T	20070705	JP 2006-548370	20041224
US 2007010556	A1	20070111	US 2006-596930	20060629
NO 2006003449	A	20060727	NO 2006-3449	20060726
IN 2006MN00910	A	20070413	IN 2006-MN910	20060731
PRIORITY APPLN. INFO.:			US 2004-534310P	P 20040105
			US 2004-553305P	P 20040315
			WO 2004-GB5400	W 20041224

OTHER SOURCE(S): MARPAT 143:153276  
GI



AB Title compds. I [wherein X = NH, S, O; Y = CH, N; R1 = CN, (un)substituted alk(en)yl, alkoxy, aryl, etc.; R2, R3 = independently CONH2 and derivs., SO2NH2 and derivs., NHCONHR4; R4 = H, OH, benzyl, etc.; and their pharmaceutically acceptable salts; provided that when X = S; Y = CH; R2 = CONH2 and derivs.; and R3 = NHCONHR4; then R1 cannot be hydroxyphenyl or alkoxyphenyl; with the exception of certain compds.] were prepared as checkpoint kinase 1 inhibitors for treating cancer. For example, a 7-step synthesis of ureidothiophene salt II•HCl, starting from phenylacetaldehyde and cyanomethyl acetate, is given. I had IC50 or EC50 ≤ 100 μM in one or both, checkpoint kinase 1 and abrogation assays.

L4 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2005:158658 HCAPLUS

DOCUMENT NUMBER: 142:261391

TITLE: Preparation of thiophene compounds as CHK1 inhibitors

INVENTOR(S): Ashwell, Susan; Gero, Thomas; Ioannidis, Stophanos;  
Janetka, James; Lyne, Paul; Oza, Vibha; Springer,  
Stephanie; Su, Mei; Yu, Dingwei

PATENT ASSIGNEE(S): Astrazeneca AB, Swed.; Astrazeneca UK Limited

SOURCE: PCT Int. Appl., 97 pp.

CODEN: PIXXD2

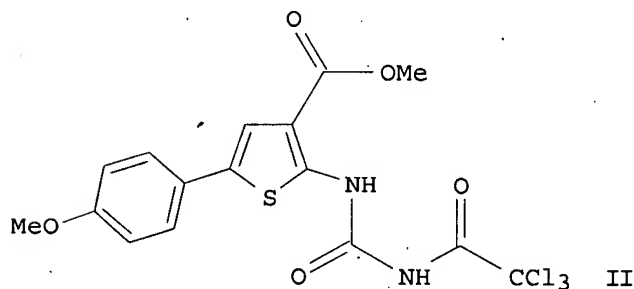
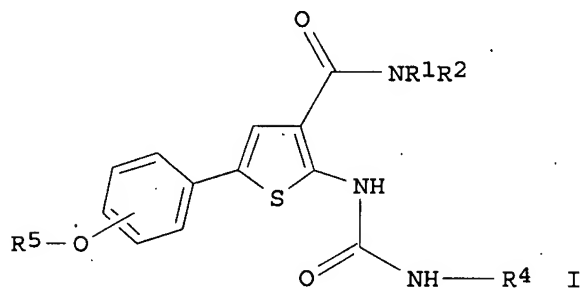
DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

## PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005016909	A1	20050224	WO 2004-GB3473	20040812
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2004265140	A1	20050224	AU 2004-265140	20040812
CA 2535652	A1	20050224	CA 2004-2535652	20040812
EP 1660474	A1	20060531	EP 2004-768043	20040812
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR				
BR 2004013585	A	20061017	BR 2004-13585	20040812
CN 1867557	A	20061122	CN 2004-80030364	20040812
JP 2007502308	T	20070208	JP 2006-523673	20040812
NO 2006000718	A	20060301	NO 2006-718	20060214
US 2006281666	A1	20061214	US 2006-568380	20060214
MX 2006PA01775	A	20060517	MX 2006-PA1775	20060215
PRIORITY APPLN. INFO.:			US 2003-495580P	P 20030815
			US 2004-576416P	P 20040528
			WO 2004-GB3473	W 20040812
OTHER SOURCE(S):		CASREACT 142:261391; MARPAT 142:261391		
GI				



AB Title compds. I [R1, R2 = H, (un)substituted alkyl, (un)substituted heterocyclyl; with proviso that R1 and R2 are not both H; or R1 and R2 and the N to which they are attached in combination form an optionally substituted heterocyclyl; R4 = H, OH, (un)substituted carbocyclyl, etc.; R5 = H, (un)substituted carbocyclyl, (un)substituted alkyl] and their pharmaceutically acceptable salts were prepared. For example, amidation of compound II with (CH3)2Al-3-BOC-(S)-3-aminopiperidine, e.g., in-situ prepared by reaction of (S)-3-aminopiperidine-1-carboxylic acid tert-Bu ester with (CH3)3Al, followed by acidic deprotection afforded compound I [NR1R2 = (S)-piperidin-3-ylamino; R4 = H; OR5 = 4-MeO]·HCl in 57% overall yield. In CHK 1 (checkpoint kinase 1) inhibition assays, the IC50 value of compound I [NR1R2 = piperidin-3-ylamino; R4 = H; OR5 = 4-Et2NCH2CH2O]·CF3CO2H was 10 nM. Compds. I are claimed useful for the treatment of cancer, infection.

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
10.86	183.17

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-1.56	-1.56

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